Response Factor Report gcms1

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
Method File : 8270-BM121518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Dec 15 21:39:37 2018
Response Via : Initial Calibration

Calibration Files
2.5 =BM018201.D 10 =BM018202.D 25 =BM018203.D
40 =BM018204.D 50 =BM018205.D 60 =BM018206.D

		Compound	2.5	10	25	40	50	60	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.511	0.495	0.490	0.458	0.471	0.458	0.474	5.44
3)		Pyridine	1.484	1.366	1.456	1.395	1.365	1.365	1.395	3.89
4)		n-Nitrosodimethyl	0.470	0.481	0.500	0.477	0.490	0.483	0.480	2.68
5)	S	2-Fluorophenol	1.145	1.156	1.264	1.179	1.219	1.223	1.197	3.46
6)		Aniline	1.884	2.075	2.193	2.112	2.139	2.145	2.088	4.78
7)	S	Phenol-d6	1.458	1.606	1.742	1.684	1.713	1.737	1.664	6.12
8)		2-Chlorophenol	1.282	1.415	1.487	1.404	1.438	1.450	1.415	4.57
9)		Benzaldehyde		1.178	1.145	0.964	0.916	0.868	1.014	13.68
10)	C	Phenol	1.625	1.698	1.826	1.792	1.791	1.835	1.762	4.29
11)		bis(2-Chloroethyl	1.334	1.401	1.481	1.389	1.410	1.426	1.401	3.34
12)		1,3-Dichlorobenze	1.554	1.564	1.639	1.555	1.585	1.585	1.580	1.85
13)	C	1,4-Dichlorobenze	1.503	1.570	1.679	1.587	1.644	1.631	1.604	3.58
14)		1,2-Dichlorobenze	1.427	1.553	1.614	1.539	1.561	1.578	1.546	3.75
15)		Benzyl Alcohol	1.141	1.420	1.398	1.357	1.371	1.396	1.356	7.18
16)		2,2'-oxybis(1-Chl	1.234	1.285	1.324	1.238	1.259	1.258	1.260	2.73
17)		2-Methylphenol	1.023	1.180	1.241	1.178	1.198	1.229	1.177	6.11
18)		Hexachloroethane	0.535	0.592	0.616	0.588	0.603	0.600	0.588	4.35
19)	P	n-Nitroso-di-n-pr	1.082	1.260	1.310	1.290	1.238	1.293	1.243	6.22
20)		3+4-Methylphenols	1.419	1.609	1.730	1.690	1.696	1.716	1.649	6.58
21)	I	Naphthalene-d8	----------	ISTD	----------					
22)		Acetophenone	0.499	0.529	0.523	0.525	0.533	0.559	0.529	3.36
23)	S	Nitrobenzene-d5	0.331	0.401	0.384	0.398	0.402	0.422	0.390	7.32
24)		Nitrobenzene	0.355	0.404	0.378	0.387	0.399	0.418	0.390	5.20
25)		Isophorone	0.616	0.669	0.633	0.645	0.648	0.689	0.649	3.68
26)	C	2-Nitrophenol	0.162	0.184	0.194	0.187	0.201	0.207	0.191	8.10
27)		2,4-Dimethylpheno	0.239	0.278	0.277	0.268	0.290	0.292	0.275	6.61
28)		bis(2-Chloroethox	0.388	0.430	0.415	0.408	0.433	0.453	0.423	5.06
29)	C	2,4-Dichloropheno	0.250	0.296	0.307	0.304	0.322	0.331	0.305	8.96
30)		1,2,4-Trichlorobe	0.342	0.336	0.345	0.338	0.348	0.365	0.347	2.93
31)		Naphthalene	0.950	0.961	0.981	0.944	1.000	1.018	0.978	2.80
32)		Benzoic acid		0.224	0.253	0.251	0.273	0.283	0.261	8.56
33)		4-Chloroaniline	0.349	0.421	0.436	0.427	0.453	0.467	0.428	8.93
34)	C	Hexachlorobutadie	0.217	0.217	0.217	0.212	0.221	0.231	0.220	2.70
35)		Caprolactam	0.097	0.116	0.122	0.116	0.116	0.126	0.116	8.16
36)	C	4-Chloro-3-methyl	0.348	0.352	0.376	0.358	0.367	0.390	0.367	4.16
37)		2-Methylnaphthale	0.661	0.676	0.697	0.673	0.688	0.724	0.690	3.16
38)		1-Methylnaphthale	0.651	0.679	0.677	0.651	0.671	0.706	0.673	2.77
39)	I	Acenaphthene-d10	----------	ISTD	----------					
40)		1,2,4,5-Tetrachlo	0.639	0.670	0.697	0.654	0.712	0.745	0.688	5.25
41)	P	Hexachlorocyclope		0.135	0.214	0.238	0.278	0.306	0.245	26.43
42)	S	2,4,6-Tribromophe	0.264	0.295	0.300	0.288	0.305	0.308	0.294	5.03
43)	C	2,4,6-Trichloroph	0.390	0.423	0.449	0.427	0.467	0.485	0.442	7.10
44)		2,4,5-Trichloroph	0.433	0.459	0.472	0.448	0.485	0.508	0.470	5.34
45)	S	2-Fluorobiphenyl	1.502	1.516	1.536	1.482	1.589	1.652	1.544	3.77
46)		1,1'-Biphenyl	1.721	1.788	1.771	1.728	1.846	1.915	1.799	3.82
47)		2-Chloronaphthale	1.253	1.287	1.324	1.268	1.381	1.405	1.324	4.37
48)		2-Nitroaniline	0.373	0.392	0.401	0.396	0.430	0.436	0.408	5.74
49)		Acenaphthylene	1.879	1.950	2.041	1.937	2.083	2.094	1.996	4.02
50)		Dimethylphthalate	1.691	1.638	1.711	1.582	1.692	1.716	1.663	3.18
51)		2,6-Dinitrotoluen	0.328	0.372	0.372	0.356	0.382	0.383	0.366	5.16

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		Compound	2.5	10	25	40	50	60	Avg	%RSD
52)	C	Acenaphthene	1.195	1.216	1.226	1.157	1.258	1.250	1.220	2.86
53)		3-Nitroaniline	0.293	0.368	0.403	0.385	0.420	0.422	0.385	11.62
54)	P	2,4-Dinitrophenol		0.152	0.193	0.198	0.224	0.223	0.202	13.77
55)		Dibenzofuran	1.926	1.974	1.964	1.886	2.021	2.008	1.960	2.39
56)	P	4-Nitrophenol		0.235	0.297	0.285	0.315	0.313	0.292	10.19
57)		2,4-Dinitrotoluen	0.441	0.502	0.511	0.500	0.536	0.531	0.505	6.19
58)		Fluorene	1.474	1.504	1.546	1.460	1.562	1.544	1.514	2.56
59)		2,3,4,6-Tetrachlo	0.402	0.433	0.438	0.409	0.436	0.424	0.423	3.29
60)		Diethylphthalate		2.022	1.854	1.694	1.787	1.728	1.794	7.17
61)		4-Chlorophenyl-ph	0.838	0.857	0.872	0.819	0.879	0.871	0.856	2.50
62)		4-Nitroaniline	0.263	0.344	0.379	0.369	0.406	0.407	0.365	13.63
63)		Azobenzene	1.605	1.623	1.630	1.641	1.697	1.613	1.636	1.85
64)	I	Phenanthrene-d10	----------	ISTD	----------					
65)		4,6-Dinitro-2-met		0.126	0.144	0.141	0.155	0.161	0.147	8.83
66)	c	n-Nitrosodiphenyl	0.602	0.650	0.674	0.645	0.681	0.705	0.661	5.00
67)		4-Bromophenyl-phe	0.231	0.236	0.242	0.231	0.251	0.253	0.242	3.97
68)		Hexachlorobenzene	0.245	0.265	0.272	0.254	0.276	0.278	0.265	4.59
69)		Atrazine	0.231	0.243	0.243	0.224	0.223	0.215	0.223	9.20
70)	C	Pentachlorophenol	0.140	0.168	0.181	0.173	0.190	0.190	0.175	9.98
71)		Phenanthrene	1.054	1.067	1.104	1.043	1.120	1.134	1.086	3.14
72)		Anthracene	0.978	1.066	1.108	1.043	1.117	1.136	1.078	4.99
73)		Carbazole	1.033	1.091	1.121	1.071	1.150	1.172	1.106	4.26
74)		Di-n-butylphthala	1.340	1.348	1.374	1.317	1.392	1.391	1.365	2.21
75)	C	Fluoranthene	1.216	1.267	1.257	1.214	1.334	1.298	1.263	3.39
76)	I	Chrysene-d12	----------	ISTD	----------					
77)		Benzidine	0.392	0.546	0.566	0.525	0.526	0.487	0.507	11.22
78)		Pyrene	1.171	1.123	1.183	1.145	1.202	1.184	1.192	5.67
79)	S	Terphenyl-d14	0.900	0.847	0.876	0.841	0.886	0.860	0.884	5.35
80)		Butylbenzylphthal	0.554	0.556	0.570	0.557	0.582	0.555	0.567	2.84
81)		Benzo(a)anthracen	1.174	1.158	1.177	1.132	1.176	1.191	1.168	1.62
82)		3,3'-Dichlorobenz	0.449	0.459	0.502	0.470	0.487	0.456	0.467	4.57
83)		Chrysene	1.150	1.111	1.136	1.077	1.142	1.138	1.124	2.27
84)		Bis(2-ethylhexyl)	0.831	0.825	0.849	0.830	0.863	0.829	0.845	2.75
85)	c	Di-n-octyl phthal	1.349	1.370	1.446	1.390	1.407	1.381	1.384	2.58
86)		Indeno(1,2,3-cd)p	1.145	1.155	1.284	1.160	1.131	1.003	1.119	9.67
87)	I	Perylene-d12	----------	ISTD	----------					
88)		Benzo(b)fluoranth	1.049	1.117	1.131	1.081	1.124	1.187	1.123	4.33
89)		Benzo(k)fluoranth	1.097	1.074	1.113	1.067	1.168	1.126	1.119	4.07
90)	C	Benzo(a)pyrene	1.051	1.044	1.082	1.026	1.084	1.101	1.069	2.61
91)		Dibenzo(a,h)anthr	0.964	0.977	1.058	0.975	1.012	0.953	0.990	3.57
92)		Benzo(g,h,i)peryl	0.939	0.933	1.004	0.907	0.936	0.896	0.936	3.67

(#) = Out of Range ### Number of calibration levels exceeded format ###